

CLAIMS

The pending claims are as follows:

Claim 1 (Previously Presented): A process for producing paper, board or cardboard by draining a paper stock comprising interfering substances in the presence of polymers which comprise vinylamine units and which have an average molar mass M_w of at least 1 million, comprising preparing a high-consistency paper stock, metering at least one polymer comprising vinylamine units and having an average molar mass M_w of at least 1 million and a degree of hydrolysis of from 1 to 20 mol% into the high-consistency stock, diluting with water the high-consistency stock to a low-consistency stock, and draining the low-consistency stock.

Claim 2 (Original): The process according to claim 1, wherein the consistency of the high-consistency stock is more than 2% by weight, based on dry paper stock, and the degree of hydrolysis of the polymers is from 3 to 15 mol%.

Claim 3 (Previously Presented): The process according to claim 1, wherein the consistency of the high-consistency stock is from 3.0 to 6.0% by weight, based on dry paper stock, and the degree of hydrolysis of the polymers is from 5 to 12 mol%.

Claim 4 (Previously Presented): The process according to claim 1, wherein the consistency of the high-consistency stock is from 3.5 to 4.5% by weight, based on dry paper stock, and wherein the consistency of the low-consistency stock is brought to a concentration below 1.5% by weight, based on dry paper stock.

Claim 5 (Previously Presented): The process according to claim 1, wherein polymers which comprise vinylamine units and are obtainable by hydrolysis of homo- and/or copolymers of N-vinylcarboxamides are used.

Claim 6 (Previously Presented): The process according to claim 5, wherein hydrolyzed homopolymers of N-vinylformamide having a degree of hydrolysis of from 1 to 20 mol% are used as polymers comprising vinylamine units.

Claim 7 (Previously Presented): The process according to claim 1, wherein at least one retention aid is metered into the low-consistency stock.

Claim 8 (Previously Presented): The process according to claim 1, wherein the amount of the polymers containing vinylamine units and metered into the high-consistency stock is from 0.002 to 0.1% by weight, based on dry paper stock.

Claim 9 (Previously Presented): A method for reducing deposits in at least one of the wire part, press section and drying section of a paper machine in the production of paper, board or cardboard, comprising adding at least one hydrolyzed homo- or copolymer of a N-vinylcarboxamide having a degree of hydrolysis of from 1 to 20 mol% and an average molar mass M_w of at least 1 million as an additive to a high-consistency stock containing interfering substances.

Claim 10 (Previously Presented): The process according to claim 1, wherein the high-consistency stock comprising interfering substances comprises coated broke.

Claim 11 (Previously Presented): The method according to claim 9, wherein the consistency of the high-consistency stock is more than 2% by weight, based on dry paper stock, and the degree of hydrolysis of the polymers is from 3 to 15 mol%.

Claim 12 (Previously Presented): The method according to claim 9, wherein the consistency of the high-consistency stock is from 3.0 to 6.0% by weight, based on dry paper stock, and the degree of hydrolysis of the polymers is from 5 to 12 mol%.

Claim 13 (Previously Presented): The method according to claim 9, wherein the consistency of the high-consistency stock is from 3.5 to 4.5% by weight, based on dry paper stock.

Claim 14 (Previously Presented): The method according to claim 9, wherein the at least one hydrolyzed homo- or copolymer of a N-vinylcarboxamide comprises vinylamine units.

Claim 15 (Previously Presented): The method according to claim 14, wherein hydrolyzed homopolymers of N-vinylformamide having a degree of hydrolysis of from 1 to 20 mol% are used as polymers containing vinylamine units.

Claim 16 (Canceled).

Claim 17 (Previously Presented): The method according to claim 14, wherein the amount of the polymers containing vinylamine units and metered into the high-consistency stock is from 0.002 to 0.1% by weight, based on dry paper stock.

Claim 18 (Previously Presented): The method according to claim 9, wherein the high-consistency stock comprising interfering substances comprises coated broke.